

Our ref: AS 3  
Your ref: TR010025

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Dear Mr Price,

**A303 Amesbury to Berwick Down  
Application for Development Consent – Submission of draft Hydrogeology Reports**

Further to the Preliminary Meeting on the 2 April 2019, Highways England committed to releasing the following Hydrogeology related documents which have already been submitted in a draft form for comment to the Environment Agency and Wiltshire Council on Friday 29 March 2019. These documents have been developed following requests from the Environment Agency and Wiltshire Council for sensitivity tests to be undertaken in relation to the groundwater modelling undertaken, and report on pumping tests undertaken to provide local detail for the on-going design of the Scheme:

- Stonehenge Area Pumping Test 2018 Interpretative Report - This report presents the results and interpretation of pumping tests carried out on three boreholes to the south of the A303 at Stonehenge Down, Stonehenge Bottom and Coneybury Hill to characterise the Chalk aquifer hydraulic parameters and groundwater quality at different sites and over a range of prevailing groundwater conditions to provide local detail for the on-going design of the Scheme.
- Stage 4 – Implications of 2018 Ground Investigations to the Groundwater Risk Assessment - This report provides the findings of the site investigations and pumping tests set out in the Stonehenge Area Pumping Test 2018 Interpretative Report above with regard to the assumptions made in the GRA and confirms the conclusions of the ES.
- Stage 4 – Supplementary Groundwater Model Runs to Annex 1 Numerical Model Report – the Report presents the findings of additional model runs undertaken following review comments provided by the Environment Agency and Wiltshire Council. The report compares the findings from the Annex 1 Numerical Modelling Report to a series of additional model runs and confirms the GRA and the conclusions of the ES.
- Stage 4 – Groundwater Monitoring 2018-19 Conceptual Model Review - This report considers monitoring data from 2018-19 following the installation of additional monitoring boreholes and gathered subsequent to submission of the DCO application in order to inform development of the detailed design. The data confirms the findings presented in the GRA and the inputs to the groundwater model used to assess impacts.

In addition, the submission includes the following report, which provides the data requested by Mr David Jacques:

- Blick Mead Monitoring Technical Note - This report provides the results of on-going groundwater recording and monitoring at Blick Mead, as requested by stakeholders, and reports results consistent with the assessment in the Environmental Statement. This data is not required to inform the EIA.

The results of the sensitivity analyses, sampling work to inform detailed design, recording and monitoring were reviewed against the baseline, approach to mitigation and assessment of effects presented in the Environmental Statement (APP-038) and the Groundwater Risk Assessment (APP-282). As explained above, these reports do not change the conclusions of the Environmental Statement or the Groundwater Risk Assessment submitted with the application.

As mentioned at the Preliminary Meeting, the following related document will be submitted at Deadline 2:

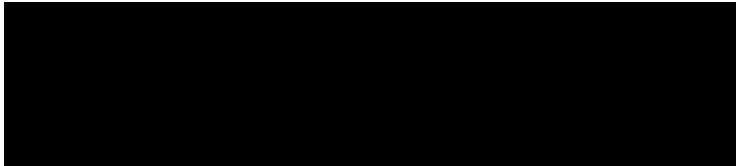
- Updated Flood Risk Assessment

Updates to this document are being made following comments made in relation to hydraulic modelling by Wiltshire Council and the Environment Agency.

Draft SoCGs with these parties shall be provided as part of Highways England's submissions for Deadline 2, which will set out the ongoing engagement with these parties related to the FRA and the other documents listed above.

We would be grateful if you could acknowledge safe receipt.

Yours sincerely



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